

ABSTRACT

A laser processing apparatus and a laser processing method which can accurately converge processing laser light at a predetermined position are provided. In the laser processing apparatus, a condenser lens 31 converges processing laser light L1 and rangefinding laser light L2 onto an object to be processed 1 on the same axis. Here, light-converging point position control means 40 detects reflected light L3 of the rangefinding laser light reflected by the front face 3 of the object 1, and places a light-converging point P1 of the processing laser light L1 at a predetermined position. Since the processing by the processing laser light L1 and the measurement of displacement of the front face 3 by the rangefinding laser light L2 are carried out on the same axis as such, the light-converging point P1 of processing laser light L1 can be prevented from shifting from the predetermined position because of vibrations of the stage 21 and the like. Therefore, the processing laser light L1 can accurately be converged at the predetermined position.